

# MLOC5E-F1XMXM-3M



HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male,size 1/4", length 3 m

## Product Classification

|                |  |
|----------------|--|
| Product Type   | HELIAX® MLOC cluster, SureFlex® D-CLASS, dynamic PIM |
| Product Brand  | HELIAX®   SureFlex®                                  |
| Product Series | MLOC   |

## General Specifications

|                                    |                  |
|------------------------------------|------------------|
| Attachment, Connector A            | Factory attached |
| Attachment, Connector B            | Factory attached |
| Body Style, Connector A            | Straight         |
| Body Style, Connector B            | Straight         |
| Interface, Connector A             | M-LOC Male       |
| Interface, Connector B             | NEX10 Male       |
| Specification Sheet Revision Level | A                |

## Dimensions

|              |                |
|--------------|----------------|
| Length       | 3 m   9.843 ft |
| Nominal Size | 1/4 in         |

## Port Configuration

| HOUSING PORT NUMBER | PORT LABEL TEXT |     |     |       |
|---------------------|-----------------|-----|-----|-------|
|                     | STANDARD        | "C" | "E" | "N"   |
| 1                   | R+              | CR+ | H   | ANT 8 |
| 2                   | CR-             | CL+ | E   | ANT 3 |
| 3                   | CR+             | L+  | G   | ANT 7 |
| 4                   | R-              | R+  | F   | ANT 4 |
| CENTER              | CAL             | CAL | CAL | BF    |

## Electrical Specifications

|                       |          |
|-----------------------|----------|
| 3rd Order IMD Dynamic | -119 dBm |
|-----------------------|----------|

# MLOC5E-F1XMXM-3M

3rd Order IMD Dynamic Test Method

Two +43 dBm carriers per IEC 62037

## VSWR/Return Loss

| Frequency Band | Gated VSWR | Gated Return Loss (dB) | Insertion Loss, typical (dB) |
|----------------|------------|------------------------|------------------------------|
| 1000–3000 MHz  | 1.07       | 30                     | 1.18                         |
| 3000–4200 MHz  | 1.11       | 26                     | 1.42                         |
| 4200–5000 MHz  | 1.12       | 25                     | 1.56                         |

## Mechanical Specifications

|                                     |                |
|-------------------------------------|----------------|
| Minimum Bend Radius, multiple Bends | 25.4 mm   1 in |
| Minimum Bend Radius, single Bend    | 25.4 mm   1 in |

## Environmental Specifications

|                          |   |
|--------------------------|---|
| Installation temperature | -40 °C to +60 °C (-40 °F to +140 °F)          |
| Operating Temperature    | -55 °C to +85 °C (-67 °F to +185 °F)          |
| Storage Temperature      | -55 °C to +85 °C (-67 °F to +185 °F)          |
| Immersion Test Method    | Meets IEC 60529:2001, IP68 in mated condition |

## Regulatory Compliance/Certifications

| Agency     | Classification                    |
|------------|-----------------------------------|
| CHINA-ROHS | Above maximum concentration value |
| ROHS       | Compliant/Exempted                |
| UK-ROHS    | Compliant/Exempted                |

